



**WATER MANAGEMENT DIVISION
MONTHLY REPORT**

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**RESERVOIR OPERATION AND SYSTEM STATUS
FOR JANUARY 2001**

HIGHLIGHTS – Cairo began the month at 11.8 feet and ended at 18.9 feet. Normal stage for January is 28 feet. Cairo crested at 27.7 on January 25th.

WEATHER –The weather during January was dry with near normal to warm temperatures. Precipitation was well below normal for the month with only two events of any significance. The first storm system brought 1-2 inch rains across the southern states on Jan 18-20 while the second system brought 1-2 inch rains to Tennessee and West Virginia on Jan 29-31. The driest areas for the month were Indiana, Illinois, western Ohio and western Kentucky where generally only half the normal precipitation was received. Temperatures rose to above normal for the month in contrast to the very cold November and December months.

TEMPERATURE AND PRECIPITATION – JANUARY 2001

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	28.5	+1.8	1.35	-1.19
Charleston, WV	33.2	+1.1	2.43	-0.48
Columbus, OH	28.7	+2.3	1.31	-0.87
Cincinnati, OH	29.7	+1.6	1.33	-1.26
Louisville, KY	32.9	+1.2	1.41	-1.45
Indianapolis, IN	28.0	+2.5	0.74	-1.58
Evansville, IN	30.8	+0.7	1.29	-1.37

Nashville, TN	35.4	-0.8	3.20	-0.38
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STREAMFLOW -- Ohio River monthly average flows for January ranged from a low of 34 percent of normal at Evansville, IN to a high of 46 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 11 percent of normal at Evansville, IN to a high of 185 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – JANUARY 2001

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	20,117	46	185	25
Huntington, WV	48,833	43	118	14
Cincinnati, OH	54,967	40	107	15
Louisville, KY	63,767	38	103	14
Evansville, IN	65,133	34	91	11
Paducah, KY	156,300	40	102	16

RESERVOIRS -- January started with 2.0% utilization of the total system flood control storage and ended the month at 2.5%. System-wide augmentation storage increased from 95.9% at the beginning of the month to 96.0% by the end of the month. Significant flood storage utilization in excess of 25% occurred at no reservoir during the month of January.

The following table depicts storage change by tributary reservoir subsystem for January:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+36,600

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+56,400
Twelvepole-Big Sandy-Little Sandy-Scioto	+10,000
Little Miami-Licking-Mill Creek-Great Miami	+13,300
Kentucky-Salt-Green-Wabash	-3,500
Cumberland	+370,100
TOTAL	+482,900

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